

PROCEEDINGS OF THE
ROYAL ENTOMOLOGICAL SOCIETY
OF LONDON

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GENERAL MEETING

WEDNESDAY, 6TH DECEMBER, 1944, at 3.30 p.m.

AGENDA

1. Confirmation of the Proceedings of the General Meeting held on 1st November, 1944.
2. Recommendations of candidates for Fellowship.
3. Announcement of election of new Fellows.
4. The following additions have been made to the Library since the meeting on 1st November, 1944.

Presented.

Wille, J. E.: *Entomologia agricola del Peru*. Lima, 1943. [The author, per Dr. C. B. Williams and the British Council.]

Ministry of Agriculture and Fisheries: Wireworms and food production. A wireworm survey of England and Wales, 1939-42. *Bull. Min. Agric.* 128, 1944. [Mr. C. T. Gimingham.]

Bequeathed.

John Curtis's own copy of Stephens' *Catalogue of British Insects*, and a complete set in two volumes of separates of Mr. Sheldon's publications. [Exors. of the late Mr. W. G. Sheldon.]

Purchased.

Bristowe, W. S.: *The comity of spiders*. 2 vols. London (Ray Society), 1939.

In addition separates have been presented by Mr. H. M. Edelsten, Dr. B. P. Beirne, Mr. D. G. Sevastopulo, the Rev. Prof. L. W. Grensted, the Smithsonian Institution, and others.

5. Admission of Fellows.
 6. Nomination of Officers and Council for 1945.
 7. Communications.
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1. Dr. C. B. Williams.

A recent entomological tour of South America.

[Abstract.]

An account, illustrated with lantern slides, of a recent visit to South America, on behalf of the British Council, the object of which was to make contact with South American entomologists, and to see to what extent co-operation could be developed.

A brief survey will be given of some of the museums and experimental stations visited, and notes on problems of entomological interest encountered on the way—such as insect migration, locusts, mimicry, injurious insects, etc.

2. Communications and exhibits the titles of which have been received since the circulation of these agenda.

Fellows are particularly requested to bring suitable exhibits to the General Meetings even though it may not be possible to announce their intention to do so before the meeting.

Tea will be served in the Library after the meeting.

NOTICE.

Fellows are reminded that systematic papers for which they are anxious to secure early publication can now be published with very little delay in *Proceedings Series B*, provided they do not exceed a length of some eight printed pages.

PROCEEDINGS OF THE GENERAL MEETING HELD ON 1ST NOVEMBER, 1944.

Dr. E. A. COCKAYNE, M.A., M.D., F.R.C.P., President, in the Chair.

Present, 49 Fellows and 4 Visitors.

The minutes of the meeting held on 4th October, 1944, were confirmed and signed by the President.

The Secretary read the names of the following new candidates for election : S. Callaway, A. Hebden, W. Pickles, A. H. Strickland, B.A., A. U. Thorsteinson.

The Secretary announced that Dr. A. D. Imms, M.A., Sc.D., F.R.S., Zoological Laboratory, The Museums, Cambridge, had been elected a Special Life Fellow of the Society.

The Secretary also announced that the following had been elected Ordinary Fellows of the Society : M. G. M. Browne, 34, Bullingham Mansions, Pitt Street, W.8; C. Elton, M.A., Bureau of Animal Population, University Museum, Oxford; M. Hafez, Ph.D., Faculty of Science, Fouad I University, Abbasia, Cairo, Egypt; G. D. Hayes, 23, Cranmer Road, Cambridge; E. R. B. McCluggage, Flowerfield, Lisburn, Co. Antrim, N. Ireland; F. J. Simmonds, M.A., B.Sc., Imperial Parasite Service, Belleville, Ontario, Canada.

Thanks were voted to donors of gifts to the Library since the last meeting.

Mr. E. B. Pinniger signed the Obligation Book and was admitted a Fellow.

The Secretary read for the first time the following names of Officers and Council nominated for the ensuing year :—

President : Professor G. D. Hale Carpenter, D.M., M.B.E.

Treasurer : Arthur Welti.

Secretary : N. D. Riley, F.Z.S.

Other Members of Council :

E. A. Andrews, M.A.

C. H. Andréwes, F.R.S.

E. A. Cockayne, M.A., M.D., F.R.C.P.

J. W. Evans, M.A., D.Sc.

W. J. Hall, D.Sc.

Francis Hemming, C.M.G., C.B.E.

H. E. Hinton, B.Sc., Ph.D.

Sir Guy A. K. Marshall, K.C.M.G., D.Sc., F.R.S.

J. F. Perkins, B.Sc.

Miss E. M. Ralfs, B.A.

O. W. Richards, M.A., D.Sc.

The Rev. C. E. Tottenham, M.A.

C. B. Williams, M.A., Sc.D.

H. B. Williams, LL.D.

Alternative nominations, supported by four properly qualified Fellows, must reach the Secretary before the meeting to be held on 6th December, 1944.

The following papers were read in title :—

“ Observations on the distribution and taxonomy of CULICIDAE (Diptera) in the Sudan.” By D. J. Lewis.

“ Structure of the *Culex* egg and egg-raft in relation to function.” By Sir Rickard Christophers, C.I.E., O.B.E., F.R.S.

“ Descriptions of Palaearctic species of *Apanteles* (Hym.).” By the late D. S. Wilkinson.

The Secretary called the attention of Fellows to an appeal issued by the Inter-Allied Book Centre. This organisation had been created for the purpose of collecting books for distribution later to libraries which had suffered losses as a result of the war. Among the publications needed were those of the Society, and Council asked Fellows who had issues of the Society's publications which they no longer required to consider whether they could not return them to the Society's rooms at their convenience to help meet this need.

Communications were made by Mr. H. St. J. K. Donisthorpe, Dr. H. E. Hinton, and Mr. B. D. Wragge Morley, abstracts of which appeared on pp. 27-28.

Mr. G. Fox-Wilson exhibited specimens of a White Fly, *Frauenfeldiella* (*Aleyrodes*) *jelinekii* Frauenfeld., new to Britain, occurring on the foliage of *Viburnum Tinus*, at Chobham, Kew, Windlesham and Woking, and identified by Mr. F. Laing, M.A. (British Museum (Natural History)). He added that the species was recorded from the Continent on *Arbutus* and *V. Tinus* in the

Mediterranean Region and in Normandy, and that it was first submitted to Wisley in April 1944 from Woking, Surrey.

The Rev. C. E. Tottenham exhibited specimens of *Heterobostrychus brunneus* Murray (Col. BOSTRYCHIDAE), adults, larvae and pupae, and roots of *Alchornea floribunda* Müller (Euphorbiaceae) infested by them. The insects were taken alive in Cambridge on 27th October, 1944, in crates of these roots sent to Professor Todd, who called attention to the beetle, from the Wamba region of the Belgian Congo. The adults were present in hundreds, but the earlier stages were much less numerous.

Mr. A. J. Musgrave showed in the Library some bisexual examples of *Pediculus humanus* which had been reared in the London School of Hygiene and Tropical Medicine, and did not differ much from the louse hermaphrodites described by Keilin and Nuttall (1919, *Parasitology* 11 : 279-327). Among other anomalies the exhibits showed : (i) specimens with male external genitalia but with eggs in the body cavity ; (ii) a specimen of general male shape, with, apparently, some distorted male genitalia and male dorsal sclerites, but with one egg in the body cavity and typical female terminalia ; and (iii) two specimens with well-developed male genitalia, rudimentary female genitalia, and each with an egg in the body cavity. Most of these specimens were mounted in poly-vinyl-lacto-phenol. Keilin and Nuttall found that, in "wild" populations and in those they had reared in the laboratory, in the few lots which contained hermaphrodites, the percentage of them was only 0.2-8.0 ; but in the progeny of crosses between head and body lice some families gave over 20 per cent. hermaphrodites. They concluded that, as head and body lice can intermingle in nature, the hermaphrodites in the "wild" populations were derived from occasional crosses between them. It seemed (1939, Buxton, *The Louse*) that differences between head and body lice were biological rather than morphological. The stocks which gave rise to the specimens exhibited were theoretically pure for body louse, and casual observation suggested that the percentage of hermaphrodites (which had not been accurately determined) was not high. It was possible that some other explanation of the occurrence of these hermaphrodites could be made in the light of recent genetical studies.

N. D. RILEY, *Hon. Secretary.*

The next Meeting (Annual Meeting) will be held on 17th January, 1945,
at 3.30 p.m.
